

a processor for issuing a disk request to said plurality of shared disks for requesting access to one of said shared disks; and

a disk request processing section for processing said disk request issued to said plurality of shared disks,

d1 wherein said disk request processing section processes said disk request to the shared disk connected to said computer if said disk request requests access to the shared disk connected to said computer, and sends said disk request to another computer to access the shared disk connected to said another computer if said disk request requests access to the shared disk connected to said another computer.

89. (Twice Amended) A computer according to claim 88, wherein said memory disk request processing section further comprises:

a memory for storing structural definition information which describes a structure of said computer system; and

a disk request judging section for judging which shared disk is requested by said disk request according to said structural definition information.

90. (Twice Amended) A computer according to claim 89, wherein said disk request processing section further comprises:

a disk request acceptance judging section for checking whether the sender of said disk request has access right to a shared disk to which access is requested according to said structural definition information,

d1 wherein said structural definition information includes a password to allow access to said shared disk to which access is requested.

91. (Twice Amended) A computer according to claim 89, wherein said structural definition information includes information indicating a correspondence between each of said plurality of shared disks and a plurality of identifiers.

92. (Twice Amended) A computer according to claim 88, wherein said disk request processing section comprises:
a remote processing disk request section for issuing a remote disk request to said another computer to access the shared disk connected to said another computer.

93. (Twice Amended) A computer system comprising:
a plurality of computers as defined in claim 88; and
a computer coupling mechanism which connects said plurality of computers to each other,

wherein said each of said plurality of computers sends said disk request to said computer coupling mechanism if a shared disk to which access is requested is connected to another computer connected to said computer coupling mechanism.

94. (Twice Amended) A computer system according to claim 93, wherein said disk request processing section further comprises:
a memory for storing structural definition information which describes a structure of said computer system; and
a disk request judging section for judging which shared disk to which access is requested by said disk request according to said structural definition information.

95. (Twice Amended) A computer system according to claim 94, wherein said disk request processing section further comprises:
a disk request acceptance judging section for checking whether the sender of said disk request has access right to a shared disk to which access is requested according to said structural definition information,
wherein said structural definition information includes a password to allow access to said shared disk to which access is requested.

96. (Twice Amended) In a computer system having a plurality of computers connected to each other and a plurality of shared disks each being coupled to one of said plurality of computers and said each of plurality of computers includes a disk request processing section which controls access to said plurality of shared disks, said disk request processing section comprises:
a memory for storing structural definition information which describes a structure of said computer system; and

a disk request judging section for judging which shared disk to which access is requested by a disk request according to said structural definition information.

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97. (Twice Amended) A disk request processing section according to claim 96, wherein said disk request processing section further comprises:

a disk request acceptance judging section for checking whether a sender of said disk request has access right to a shared disk to which access is requested according to said structural definition information,

wherein said structural definition information includes a password to allow access to said shared disk to which access is requested.

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99. (Twice Amended) A disk request processing section in claim 96, wherein said disk request processing section comprises:

a remote processing disk request section for issuing a remote request to another computer to access the shared disk connected to said another computer if access is requested to the shared disk connected to said another computer.

100. (Twice Amended) In a computer system having a plurality of computers connected to each other and a plurality of shared disks each being coupled to one of said plurality of computers, each of said plurality of computers executes a computer program for controlling access to said plurality of shared disks to be accessed, said computer program comprising:

a first code for causing said computer to control access to a shared disk connected to said computer according to a disk request if said disk request requests access to the shared disk connected to said computer; and

a second code for causing said computer to send a disk request to another computer if said disk request requests access to a shared disk connected to said another computer.

101. (Twice Amended) A computer program according to claim 100, further comprising:

a third code for causing said computer to store structural definition information in a memory, said structural definition information describes a structure of said computer system;

a fourth code for causing said computer to check whether said disk request requests access to the shared disk connected to said another computer according to structural definition information; and

a fifth code for causing said computer to send said disk request to said another computer if said disk request requests access to the shared disk connected to said another computer.

103. (Twice Amended) A computer program according to claim 100, wherein said second code comprises:

a code for causing said computer to issue a remote disk request to said



VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS

Please amend the claims as follows:

88. (Twice Amended) In a computer system having a plurality of computers connected to each other and a plurality of shared ~~memory devices~~disks, each of said plurality of shared ~~memory devices~~disks being coupled to one of said plurality of computers, each of said plurality of computers comprising:

a processor for issuing a disk request to said plurality of shared ~~memory devices~~disks for requesting access to one of said shared ~~memory devices~~disks; and

a ~~memory~~disk request processing section for processing said disk request issued to said plurality of shared ~~memory devices~~disks,

wherein said ~~memory~~disk request processing section processes said disk request to the shared ~~memory device~~disk connected to said computer if said disk request requests access to the shared ~~memory device~~disk connected to said computer, and sends said disk request to another computer to access the shared ~~memory device~~disk connected to said another computer if said disk request requests access to the shared ~~memory device~~disk connected to said another computer.

89. (Twice Amended) A computer according to claim 88, wherein said ~~memory request~~disk request processing section further comprises:

a memory for storing structural definition information which describes a structure of said computer system; and

a disk request judging section for judging which shared ~~memory device~~disk is requested by said disk request according to said structural definition information.

90. (Twice Amended) A computer according to claim 89, wherein said ~~memory~~disk request processing section further comprises:

a disk request acceptance judging section for checking whether the sender of said disk request has access right to a shared ~~memory device~~disk to which access is requested according to said structural definition information,

wherein said structural definition information includes a password to allow access to said shared ~~memory device~~disk to which access is requested.

91. (Twice Amended) A computer according to claim 89, wherein said structural definition information includes information indicating a correspondence between each of said plurality of shared ~~memory devices~~disks and a plurality of identifiers.

92. (Twice Amended) A computer according to claim 88, wherein said ~~memory~~disk request processing section comprises:

a remote processing disk request section for issuing a remote disk request to said another computer to access the shared ~~memory device~~disk connected to said another computer.

93. (Twice Amended) A computer system comprising:
a plurality of computers as defined in claim 88; and
a computer coupling mechanism which connects said plurality of
computers to each other,

wherein said each of said plurality of computers sends said disk request to
said computer coupling mechanism if a shared ~~memory device~~disk to which access is
requested is connected to another computer connected to said computer coupling
mechanism.

94. (Twice Amended) A computer system according to claim 93, wherein
said ~~memory~~disk request processing section further comprises:

a memory for storing structural definition information which describes a
structure of said computer system; and

a disk request judging section for judging which shared ~~memory~~
~~device~~disk to which access is requested by said disk request according to said
structural definition information.

95. (Twice Amended) A computer system according to claim 94, wherein
said ~~memory~~disk request processing section further comprises:

a disk request acceptance judging section for checking whether the
sender of said disk request has access right to a shared ~~memory device~~disk to which
access is requested according to said structural definition information,

wherein said structural definition information includes a password to allow

access to said shared ~~memory device~~disk to which access is requested.

96. (Twice Amended) In a computer system having a plurality of computers connected to each other and a plurality of shared disks each being coupled to one of said plurality of computers and said each of plurality of computers includes a disk request processing section which controls access to said plurality of shared disks, said disk request processing section comprises:

a memory for storing structural definition information which describes a structure of said computer system; and

a disk request judging section for judging which shared disk to which access is requested by a disk request according to said structural definition information.

97. (Twice Amended) A disk request processing section according to claim 96, wherein said disk request processing section further comprises:

a disk request acceptance judging section for checking whether a sender of said disk request has access right to a shared disk to which access is requested according to said structural definition information,

wherein said structural definition information includes a password to allow access to said shared disk to which access is requested.

99. (Twice Amended) A disk request processing section in claim 96, wherein said disk request processing section comprises:

a remote processing disk request section for issuing a remote request to another computer to access the shared disk connected to said another computer if access is requested to the shared disk connected to said another computer.

100. (Twice Amended) In a computer system having a plurality of computers connected to each other and a plurality of shared disks each being coupled to one of said plurality of computers, each of said plurality of computers executes a computer program for controlling access to said plurality of shared disks to be accessed, said computer program comprising:

a first code for causing said computer to control access to a shared disk connected to said computer according to a disk request if said disk request requests access to the shared disk connected to said computer; and

a second code for causing said computer to send a disk request to another computer if said disk request requests access to a shared disk connected to said another computer.

101. (Twice Amended) A computer program according to claim 100, further comprising:

a third code for causing said computer to store structural definition information in a memory, said structural definition information describes a structure of said computer system;

a fourth code for causing said computer to check whether said disk request requests access to the shared disk connected to said another computer according to structural definition information; and

a fifth code for causing said computer to send said disk request to said another computer if said disk request requests access to the shared disk connected to said another computer.

103. (Twice Amended) A computer program according to claim 100, wherein said second code comprises:

a code for causing said computer to issue a remote disk request to said another computer to access the shared disk connected to said another computer if access is requested to the shared disk connected to said another computer.